

More Product, Less Fallout

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product Name:	FreezGard ⁷ Zero with Shield LS Inhibitor		
Chemical Name:	Magnesium Chloride Solution 25% - 35%		
Formula:	MgCl ₂ , H ₂ O		
CAS Number:	7791-18-6	Magnesium Chloride Hexahydrate	
	7732-18-5	Water	
Manufacturer's Name:	IMC Global		
Address:	765 North 10500 West, Little Mt, Utah 84404		
Phone:	801-731-3100		
Issue Date:	April 5, 2000		

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

N/A

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance:	Brown opaque solution
Boiling Point:	225 degrees F
Specific Gravity (H ₂ O=1):	1.26 - 1.30
Volatile by Volume (%):	Negligible
Solubility:	Readily soluble in water

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media:.....	N/A
Special Fire Fighting Procedures:	N/A
Unusual Fire and Explosion Hazards:	N/A
National Fire Protection Association (NFPA) Classification:	
4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal	
Health (Blue).....	1
Flammability (Red).....	0
Reactivity (Yellow)	0

SECTION V: REACTIVITY DATA

Stability:..... Stable
Incompatibility (Materials to avoid):..... Keep away from strong acids and strong oxidizers
Hazardous Polymerization:..... Will not occur

CONTINUED

SECTION VI: HEALTH HAZARD DATA

Health Hazards: N/A
Carcinogenicity: N/A
Signs and Symptoms of Exposure: Ingestion: Large doses may cause GI discomfort.
Skin: May cause irritation.
Eyes: May cause irritation.
Emergency and First Aid Procedures: Ingestion: Drink water. Consult physician.
Skin: Flush with water.
Eyes: Irrigate with water.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storage Precautions: KEEP OUT OF THE REACH OF CHILDREN
Avoid contact with eye, skin or clothing.
Wash hands after handling.
Other Precautions: Not for food or drug use.
Do not take internally.
Steps to be Taken if Spilled: Collect and reuse material. Magnesium chloride is a non-hazardous waste when spilled or disposed of, as defined by RCRA regulations (40 CFR 261).

SECTION VIII: CONTROL MEASURES

Respiratory Protection: N/A
Ventilation: N/A
Hand Protection: Rubber gloves especially during cold weather.
Eye Protection: Safety glasses.
Other Protective Clothing or Equipment: N/A
Work/Hygienic Practices: N/A

SECTION IX: SUPPLIER NOTIFICATION

Name: Magnesium Chloride Solution
Hazard Label: No special requirements
Transportation Guidelines: No special requirements

SECTION X: CANADIAN REGULATIONS

WHMIS Information: The Canadian Workplace Hazardous Materials Information System Classification defines Magnesium Chloride Solution as Not A Controlled Product.
TDG Information: For guidance the Canadian Transportation of Dangerous Goods Classification for Magnesium Chloride Solution is Not Regulated.

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